Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Chemical and Physical Properties Lab**

**Purpose**

The purpose of this lab is to identify as many physical and chemical properties as possible in 30 minutes for the samples of matter provided.

**Materials**

*List A*

* Toothpick
* Salt
* Nail
* Paper

*List B*

* Aluminum foil
* Sugar
* Vinegar
* Alka-Seltzer tablet

*Equipment Provided*

* Balance
* Graduated cylinder
* Beaker
* Matches
* Candle
* Thermometer
* Baking soda
* Water

**Procedure**

1. Pick 3 samples of matter from each list to study. Use only one item at a time.
2. Determine a procedure to follow during this activity. Your procedure must be approved by Ms. Eggleston.
3. If you determine that you need something else to conduct your research, please see Ms. Eggleston. She may or may not be able to supply it.
4. Create a system to organize your data.
5. Carry out your procedure and record your results.
6. NO TASTING!

**Post-Lab Assessment**

Write a ~1-page reflection that includes the following information:

* Purpose of the lab
* Your materials and procedure (can be in bullet point/numbered list)
* Data table
* Which physical properties did you observe/measure, and how did you do that? Reference your data in this section.
* Which chemical properties did you observe/measure, and how did you do that? Reference your data in this section.
* What further tests would you do with more time, equipment, and chemicals?